Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY		ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST	INTENDED SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6				
2009	0057105401			CNCANC	PROCEDURE	CLASS *	TBI, TC, CAC, ECM, EGR, TWC,	N/A				
_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	9CEXH0540I	חמ	8.9	CNG/LNG	Diesel	UB	HO2S					
	ENGINE'S IDLE INS CONTROL	ADDITIONAL IDLE EMISSIONS CONTROL 5										
EXEMPT		N/A										
ENGINE (L)	ENGINE MODELS / CODES (rated power, in hp)										
8.9	ISL G 320 / 0897;FR91958 (320), ISL G 280 / 0897;FR91959 (280), ISL G 250 / 0897;FR92740 (250)											
*												
٠		*										
*		•										
Lieux nobe	≕norsepower, kw=kii	owatt; nr	=nour;				R 86.abc=Title 40, Code of Federal Regulations	s, Section 86.abc;				
						ifuel a.k.a. BF	=bi fuel; DF=dual fuel; FF=flexible fuel;					
				an bus; HDO=heavy duty Otto								
ECS=er	mission control system	n; TWC/	DC=three-way/oxidizin	g catalyst; NAC=NOx adsorpt	ion catalyst; SCR-L	/ SCR-N=sele	ctive catalytic reduction - urea / - ammonia; W	/U (prefix) =warm-				
Up celalyst;	; UPF=clesel particul e body fuel injection:	aia mier; Scialci=	PTOX=periodic trap o	xidizer; HOZS/OZS=heated/o;	kygen sensor; HAF!	S/AFS=heated/	air-fuel-ratio sensor (a.k.a., universal or linear or buretor; IDI/DDI=indirect/direct diesel injection	xygen sensor);				
super charg	ger; CAC≖charge air	cooler: E	GR / EGR-C=exhaust	pas recirculation / cooled EGF	R: PAIR/AIR≕pulsed	b∹yaseous car Vsecondary air	injection; SPL=smoke puff limiter; ECM/PCM=	; rc/sc≃turbo/ engine/powertrain				
control mod	dule; EM=angine mo:	dification;	2 (prefix)=parallel; (2	?) (suffix)=in series;	•	•	•	• .				
ESS=er (per 13 CCI	ngine shutdown syste R 1956.8(a)(6)(D); E	m (per 13 xempt=e:	CCR 1956.8(a)(6)(A) campled per 13 CCR 1	1); 30g=30 g/hr NOx (per 13 956.8(a)(6)(B) or for CNG/LN	CCR 1956.8(a)(6)(C 3 fuel systems: N/A); APS =interna ≃not applicable	al combustion auxiliary power system; ALT=all e (e.g., Otto engines and vehicles);	ernative method				
); OBD=on-board diagnostic				•				

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.).

in g/bhp-hr	NMHC		NOx		NMHC+NOx		CO		PM		нсно	
	FTP	EURO	FTP	EURO	FTP	EURO -	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	0.20	0.20	•	•	15.5	15.5	0.01	0.01	•	•
FEL	•	•			*	•		•	•	•	*	•
CERT	0.13	0.04	0.10	0.01	•		1.2	0.4	0,009	0.000		•
NTE	0.21		0.30				19.4		0.02		•	

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde;

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations,

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this _____ day of February 2009.

Annette Hebert, Chief
Mobile Source Operations Division